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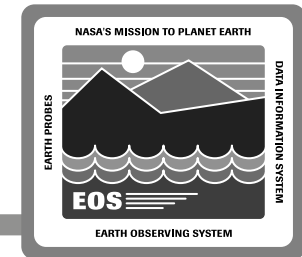
# **Attachment:**

# **FOS Release B Summary**

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**25 July 1997**

# FOS Release A Capabilities



## Scheduling

### Planning & Scheduling

BAP Definer Tool  
Activity Definer Tool  
Detailed Activity Schedule  
Timeline Tool  
ASTER I/F Filter

### Command Mgt

Uplink Load Generation  
ATC Load Generation  
Ground Sched Generation

## Real-Time

### Resource Mgt

String Manager  
Command Authority  
Ground Control Privilege

### Telemetry

Decom Engine  
Mirrored Telemetry  
Parameter Server

### Command

Cmd Validation, Generation,  
Uplink, and Notification

### Real-Time Contact Mgt

NCC GCMRs

## Analysis

### FUI

Analysis Request Tool  
Analysis Report Generation

### Analysis

User Selected Statistics  
Basic Analysis Request

### Data Mgt

Data Archive

## Support Services

ECL  
Events  
Help

Screen Management  
Window Manipulation  
Status Window

Display Builder  
Procedure Builder  
Room Builder

Time Selector  
Ground Script Control  
DB Edit

DB Generation  
(Activities, Cmd, Tlm)

## Infrastructure

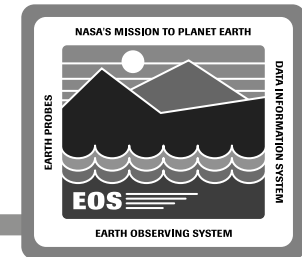
Message Passing  
Security Services

Name Services  
Directory Services

Network Services  
Management Services

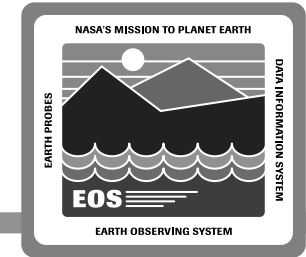
Interface Connectivity  
Time Services

# FOS Release B Capabilities



<b>Scheduling</b>  <b>Planning &amp; Scheduling</b> Timeline Tool Planning Aids Mgt TDRS Scheduling Activity Constraint Check What-If <b>Command Mgt</b> Cmd Constraint Check Load Catalog/Reports Generate Patch Loads Memory Mgt/Compares Load Manager Microprocessor Loads RTS Load Builder	<b>Real-Time</b>  <b>Resource Mgt</b> String Cfg Change Requests Resource Monitor Failure Recovery <b>Telemetry</b> Derived Parameters, Selective Decom, Tailored Telemetry S/C State Check Memory Dump <b>Command</b> Cmd Verification Load Processing <b>Real-Time Contact Mgt</b> NCC ODMs, EDOS CODAs	<b>Analysis</b>  <b>FUI</b> Standing Orders <b>Analysis</b> Clock Correlation Solid State Recorder Mgt S/C Activity Log System Statistics User-Defined Algorithms Expert Advisor <b>Data Mgt</b> Triggers Queue Mgr													
<b>Support Services</b> <table><tr><td>User Customization</td><td>Report Browser/Editor Tool</td><td>DB Backup/Restore</td><td>DB Reporting</td></tr><tr><td>E-Mail</td><td>Quick Msg &amp; Analysis</td><td>Archive Events</td><td>DB Maintenance</td></tr><tr><td>Document Reader</td><td>Display Builder (schematics)</td><td>Event History Tool</td><td>Data Mover</td></tr></table>				User Customization	Report Browser/Editor Tool	DB Backup/Restore	DB Reporting	E-Mail	Quick Msg & Analysis	Archive Events	DB Maintenance	Document Reader	Display Builder (schematics)	Event History Tool	Data Mover
User Customization	Report Browser/Editor Tool	DB Backup/Restore	DB Reporting												
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Document Reader	Display Builder (schematics)	Event History Tool	Data Mover												
<b>Infrastructure</b> Release A Capabilities Additional Management and Communication Services															

# Release Status Summary



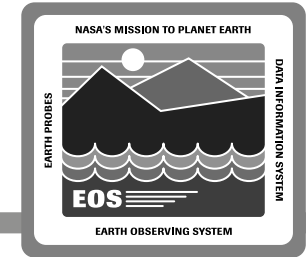
## Requirements Status Summary

- **FOS requirements updates for Release B are in May RTM baseline**
  - Updates focused on refining requirements text for testability purposes
  - Includes mapping between requirements and test procedures

## AM-1 Interface

- **White Paper prepared by NASA/FOS and FOS**
  - Defines current understanding of the interface for each functional area between the FOS and the AM-1 spacecraft
  - Defines interface baseline to effectively manage future spacecraft modifications
  - FOS Release B is compliant with the White Paper

# Release Status Summary (cont.)



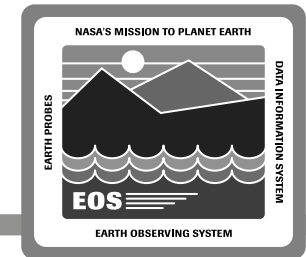
**Kerberos has been removed**

- **Based on requests by NCC and EDOS**
- **No changes to security requirements**
  - **Simplify implementation for user authentication services**
  - **ICDs need to be updated**

**GSFC DAAC/FOS Interface Moved to Post-Release B delivery**

- **Approach**
  - **Analogous to PDPS interface**
  - **Code samples have been provided to FOS by PDPS**
- **Impact**
  - **None since FOS has local archive with requisite disk space to support pre-launch activities**
- **Plan**
  - **Interface functionality scheduled for December 1997**

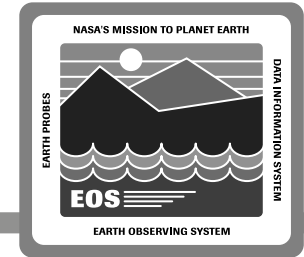
# Release Status Summary (cont.)



## FOS Release B Contingency Implementation Summary

- **Security Services**
  - Authentication
  - Authorization
- **Management Services**
  - Monitor hardware, network, software
  - Trouble-ticketing from ISTs
- **Requirements Impact**
  - EOC interface to SMC is being reviewed
  - Security Service implementation consistent with CDR presentation and ESDIS Security Working Group presentation
  - Management Services reporting level consistent with original ops concept per FOS/CSMS ICD

# Release Status Summary (cont.)



## FOS Release B Contingency Implementation Summary (continued)

- **Communications Server**
  - **Host reflector software**
    - Direct multicast traffic to IST**
  - **Host Netscape Communications Server**
  - **Previously entitled 'Multicast Server'**
- **Management Server**
  - **Prime/backup servers**
  - **Host Tivoli Management software**
  - **Host DCE interface to GSFC DAAC**